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IDENTIFICATION AND LABELING OF BEAM IMAGES OF A STRUCTURED BEAM MATRIX

Abstract of the Disclosure

A technique for identifying beam images of a beam matrix includes a number of steps. Initially, a plurality of light beams of a beam matrix, which are arranged in rows and columns, are received after reflection from a surface of a target. Next, a reference light beam is located in the beam matrix. Then, a row pivot beam is located in the beam matrix based on the reference beam. Next, remaining reference row beams of a reference row that includes the row pivot beam and the reference beam are located. Then, a column pivot beam in the beam matrix is located based on the reference beam. Next, remaining reference column beams of a reference column that includes the column pivot beam and the reference beam are located. Finally, remaining ones of the light beams in the beam matrix are located.